No.



8500197

TO ALL TO WHOM THESE: PRESENTS: SHALL COME:

Nickerson American Plant Breeders, Inc.

Williereas. There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLI-CANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EX-CLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT

ETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. United States seed of this variety (1) shall be sold by variety name only as OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT

'Victoru'

In Testimony Wathercot, I have hereunto set my hand and caused the seal of the Elaut Variety Protection Office to be affixed at the City of Washington, D. C. the year of our Lord one thousand nine hundred and eighty-eight.

FORM WA-470 (7-84)

(Edition of 3-84 is obsolete.)

Exhibit A Origin and Breeding History of Victory

PEDIGREE: Selection from bulked population of adapted parent crosses

DATE OF CROSS: 1975

HISTORY: The history of Victory started in 1975 with a traditional crossing block. Fl of the crosses were grown out in 1976. In 1977 each cross was evaluated as a F2 population. In order to carry a large genetic base forward in the program a large number of these crosses with adapted parents were bulked together and designated as general bulk. This bulk was grown at several locations in the Great Plains, harvested, and mass selected for seed filling using the gravity table. Individual F4 plants were selected in 1979. These selections were observed at three locations in 1980. The best of these selections were advanced into yield trials in 1981. One of these selections was designated HW81-283. In 1983, 100 headrows were grown to make up the original Breeders seed. The name Victory was appointed in 1985.

Victory is uniform and stable. Less than 1% of the plants were rogued from the foundation fields in 1983. Approximately 90% of these rogued plants were 3 to 12 centimeters taller than Victory. Less than 1% of these taller plants may be encountered in subsequent generations.

Exhibit B

Novelty Statement

Victory is most similar to the hard red winter wheat Newton, however it can be easily distinguished by the following morphological characteristics:

- Victory has an oblique shoulder shape. Newton is registered as having square shoulders.
- Victory has a short glume length that varies significantly from Newton's (see Statistical Data).
- Victory has a medium glume width that varies significantly from Newton's (see Statistical Data).

A.N.O.V.A. Table for Glume Length

Victory Vs. Newton

Source	<u>df</u>	<u>ss</u>	ms
Total	49	16.66	
Var	1	6.92	6.92**
Error	48	9.74	.20

f F Test = 34.6**

** The probability that the difference in means of glume length are significantly different at the 1% alpha level.

Means

Victory = 7.2mm Newton = 8mm

A.N.O.V.A. Table for Glume Width

Victory Vs. Newton

Source	<u>df</u>	<u>ss</u>	<u>ms</u>
Total	49	7.44	
Var	1	4.64	4.621**
Error	48	2.82	.058

F Test = 79.7**

** The probability that the difference in means of glume width are significantly different at the 1% alpha level.

Means

Victory = 3.5mm Newton = 2.8mm INSTRUCTIONS: See Reverse.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, MEAT, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20708

EXHIBIT C

OBJECTIVE DESCRIPTION OF VARIETY WHEAT (TRITICUM SPP.)

NAME OF APPLICANT(S)	FOR OFFICIAL USE ONLY
Nickerson American Plant Breeders Inc.	PYPO NUMBER 8500197
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	
5201 Johnson Drive, P.O. Box 2955 Mission, KS 66201	DESIGNATION
M15510H, K5 00ZU1	VICTORY
Place the appropriate number that describes the varietal character Place a zero in first box (6-8- 0 8 9 or 0 9) when number i	
I. KIND:	S citie: // of leas of / of less.
1 1 = COMMON 2 = OURUM 3 = EMMER 4 = SPELT 5	= POLISH 6 = POULARD 7 = CLUB
2. TYPE,	1 2
2 1 = SPRING 2 = WINTER 3 = OTHER (Specify)	1 = SOFT 3 = OTHER (Specify) 2 = HARD
2 1 = WHITE 2 = RED 3 = OTHER (Specify)	
3. SEASON - NUMBER OF DAYS FROM	
planting	
2 3 0 FIRST FLOWERING	2 3 6 LAST FLOWERING
4. MATURITY (50% Flowering):	
0 3 NO. OF DAYS EARLIER THAN	2 1 = ARTHUR 2 = SCOUT 3 = CHRIS
	4 = LEMHI 5 = NUGAINES 6 = LEEDS
NO. OF DAYS LATER THAN	- 4-FEWHI 3-MODAINES 0-EEEDS
5. PLANT HEIGHT (From sail level to top of head):	
0 9 0 cm. HIGH	
CM. TALLER THAN	
	1 = ARTHUR 2 = SCOUT 3 = CHRIS
1 5 CM. SHORTER THAN	2 4 = LEMHI 5 = NUGAINES 6 = LEEDS
6. PLANT COLOR AT BOOTING (See reverse):	7. ANTHER COLOR:
1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN	1 1 = YELLOW 2 = PURPLE
8. STEM:	
Anthocyanin: 1 = ABSENT 2 = PRESENT -	2 Waxy bloom: 1 = ABSENT 2 = PRESENT
Hairings of last	
Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT	Internodes: 1 = HOLLOW 2 = SOLID
	CM. INTERNODE LENGTH BETWEEN FLAG LEAF
0 5 NO. OF NODES (Originating from node above ground)	2 3 AND LEAF BELOW
9. AURICLES:	
2 Anthocyanin: 1 = ABSENT 2 = PRESENT	Hairiness: I = ABSENT 2 = PRESENT
10. LEAF:	•
Flag leaf at = ERECT 2 = RECURVED	2 Flag leaf: 1 = NOT TWISTED 2 = TWISTED
booting stage: 3 = OTHER (Specify):	
Hairs of first leaf sheath: 1 = ABSENT 2 = PRESENT	2 Wazy bloom of flag leaf sheath: 1 = ABSENT 2 = PRESENT
4 MM. LEAF WIDTH (First leaf below flag leaf)	2 6 CM. LEAF LENGTH (First leaf below flag leaf):

Victory FORM GR-470-6 (REVERSE)	8500197
11. HEAD:	
3 Density: 1 = LAX 2 = DENSE 3=middense average 45 mm	Shape: I = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (Specify)
- 	AWNLETED ' 4 = AWNED
Color at maturity: 5 = BROWN 6 = BLACK 7 = OTHER	
6.7 CM. LENGTH	1 0 MM. WIOTH:
12. GLUMES AT MATURITY: 1 Length: 1 = SHORT (CA. 7 mm.) 2 = MEDIUM (CA. 8 mm.) 3 = LONG (CA. 9 mm.) average 7.3 mm	2 Fidth: 1 = NARROW (CA. J mm.) 2 = MEDIUM (CA. 3.5 mm average 3.4 mm
Shoulder 1 = WANTING 2 = OBLIQUE 3 = ROUNDED shape: 4 = SQUARE 5 = ELEVATED 6 = APICULATE	3 Beak: I = OBTUSE 2 = ACUTE 3 = ACUMINATE average 3.7 m
13. COLEOPTILE COLOR:	14. SEEDLING ANTHOCYANIN:
1 1 = WHITE 2 = RED 3 = PURPLE	2 I = ABSENT 2 = PRESENT
15. JUYENILE PLANT GROWTH HABIT:	
2 1 = PROSTRATE 2 = SEMI-ERECT 3 = ERECT	
16. SEED:	
-3 Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL	Cheek: 1 = ROUNDED 2 = ANGULAR
2 Brush: 1 = SHORT 2 = Midlong 3 = Long	Brush: 1 = NOT COLLARED 2 = COLLARED
Phenol reaction 1=1VORY • 2=FAWN 3=LT. BROWN [See instructions]: 4=BROWN 5=BLACK	
3 Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE	5 = OTHER (Specily)
6.3 MM. LENGTH 5 3.3 MM. WIOTH	4 3 GM. PER 1000 SEEDS
17. SEED CREASE:	
7 Vidth:) = 60% OR LESS OF KERNEL WINOKA	Depth: 1 = 20% OR LESS OF KERNEL 'SCOUT'
2 = 80% OR LESS OF KERNEL 'CHRIS'	2 = 35% OR LESS OF KERNEL 'CHRIS' 3 = 50% OR LESS OF KERNEL 'LEMHI'
3 = NEARLY AS WIDE AS KERNEL 'LEMHI'	
.18. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3=MO 4 STEM RUST field 2 LEAF RUST field (Races)	O STRIPE RUST O CRACES O LOOSE SMUT
3 POWDERY MILDEW 0 BUNT	O OTHER (Specify)
Land Control of the C	
19. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3=MO	
O SAWFLY O APHID (Bydv.)	O GREEN BUG O CEREAL LEAF BEETLE
0 OTHER (Specify) HESSIAN FLY] GP
RACES:	0 D 0 E 0 F 0 G
20. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT S	UBMITTED:
CHARACTER NAME OF VARIETY	CHARACTER NAME OF VARIETY
Plant tillering Newton	Seed size Newton
Leaf size Newton	Seed shape Newton
Leaf color Newton Leaf carriage Newton	Colecatile elongation Newton Seeding pigmentation Newton
Leaf carriage Newton INSTRU	

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

- (a) L.W. Briggle and L. P. Reitz. 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States. Technical Bulletin 1278, United States Department of Agriculture.
- (b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachment.)

Exhibit D

Additional Description of Victory

Victory is a hard red winter wheat tested as NAHW81-283 or APHW81-283. It was bred and developed by Nickerson American Plant Breeders Inc.

Victory is an intermediate height semidwarf variety with very strong straw strength characteristics, medium to early maturity and good winterhardiness. Milling and baking properties are good.

Victory has a juvenile plant growth habit that is semi-erect. Plant color is green with an erect, twisted flag leaf. Head shape is tapering to strap, middense, awned and head color is white at maturity. Glumes are short in length and of medium width with oblique shoulders and acuminate beaks. Seed shape is ovate to elliptical with midlong brush hairs and rounded cheeks. Seed crease is narrow in width and shallow in depth.

Victory is well adapted to the central Great Plains. Its yield performance since 1981 puts it in a class above the current varieties available to the farmers of southern Nebraska, northern Texas and Oklahoma, eastern Colorado and the entire state of Kansas.

Along with these high yields go a desirable agronomic package of winterhardiness, early maturity, standability, and an excellent combination of foliar and soil borne disease protection. These characteristics make it an excellent variety for irrigated conditions and most dryland situations provided there is enough moisture for stand establishment.

Mcterson American Plant Breeders Inc.

HARD RED WINTER WEAT OUALITY

YEAR: 1984

PAGE

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YEAR	ð.≱	SAMPLE	207	TEST WT.	FROT TOTAL	25 25	FLR PROT	F. F.	HIX	ABS.	HIX	DOUGH LOAF CHAR VOL	LOAF	GRN	CRUMB	כנו	MILL	BAKE SCORE	TOTAL
				16/84	14%mb	×	14%mb	14%mb	æ		4 F	~	Ü	tt	œ	æ			
6	Victory	FV	-	4.60	13.1	74.3	11.9	0.000	~	63.0	2.5	6	800	60	60	6	67-B	83-B	170-B
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(C)	Victory	\ <u>}</u>	ĭ	60.6	13.0	69.0		0.314	ဖ	60.0	3.0	80	860	(T)	60	<u>6</u> ,	2-62	80-B	723-C
) (C)	Victory	\ <u>}</u>	Z V	59.7	12.9	66.99	11.4	966.0	g	61.0	2.5	5 0	860	5 0	60	φ.	71-C	78-C	149-C
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7	Victo		,		•	72.0		0,399		60.09	6	0	096	8	6	80	66-D	82-B	148-C
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WHEAT

CLASS: Hard Red Winter NAME: Victory

NOMENCLATURE: Triticum aestivum P.I. NO.:

RELEASED: 1986

REGISTRATION NO.:

SELECTION NO.: NAHW81-283 or APHW81-283

PEDIGREE: A selection from a bulk population derived from crosses of adapated

parents in 1975

CULTIVAR DESCRIPTION: Victory is an intermediate height semidwarf variety with very strong straw strength characteristics, medium to early maturity and good winterhardiness. Milling and baking properties are good. Victory has a juvenile plant growth habit that is semi-erect. Plant color is green with an erect, twisted flag leaf. Head shape is tapering to strap, middense, awned and head color is white at maturity. Glumes are short in length and of medium width with oblique shoulders and acuminate beaks. Seed shape is ovate to elliptical with midlong brush hairs and rounded cheeks. Seed crease is narrow in width and shallow in depth.

ADAPTATION AND CHARACTERISTICS: Victory is well adapted to the central Great Plains. Its yield performance since 1981 puts it in a class above the current varieties available to the farmers of southern Nebraska, northern Texas and Oklahoma, eastern Colorado and the entire state of Kansas. Along with these high yields go a desirable agronomic package of winterhardiness, early maturity, standability, and an excellent combination of foliar and soil borne disease protection. These characteristics make it an excellent variety for irrigated conditions and most dryland situations provided there is enough moisture for stand establishment.

GENERAL INFORMATION: Victory is most similar in appearance to the HRWW variety Newton. The noticeable field differences are Victory has a much shorter glume length than Newton. Victory also has an oblique should shape while Newton's is classified as square.

OTHER SOURCES OF INFORMATION: Nickerson American Plant Breeders Inc.

5201 Johnson Drive Mission, KS 66201

EXHIBIT E.

Statement of the Basis of Applicant's Ownership

Nickerson American Plant Breeders Inc. is the applicant for protection in this case being:

- a) the incorporated business (registered in Delaware) for and within which regular employees have bred the named variety.
- b) the proprietory owner and intending commercial user of the variety.